

GP 2621
PATENT
#5

Case Docket No. MUTEK.4C1CP1
Date: June 24, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Wygodny, et al.
Appl. No. : 10/057,002
Filed : January 24, 2002
For : SYSTEM AND METHOD FOR
CONDITIONAL TRACING OF
COMPUTER PROGRAMS
Examiner : Unknown
Group Art Unit : 2621

I hereby certify that this correspondence and all marked
attachments are being deposited with the United States
Postal Service as first class mail in an envelope
addressed to: United States Patent and Trademark
Office, P.O. Box 2327, Arlington, VA 22202, on

June 24, 2002

(Date)

Lee W. Henderson

Lee W. Henderson Ph.D., Reg. No. 41,830

TRANSMITTAL LETTER

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

RECEIVED

JUL 00 22 2002

Technology Center 2600

ATTENTION: APPLICATION BRANCH

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with sixty-three (63) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Lee W. Henderson

Lee W. Henderson Ph.D.
Registration No. 41,830
Attorney of Record

MUTEK.4C1CP1

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wygodny, et al.) Group Art Unit 2621
App. No. : 10/057,002)
Filed : January 24, 2002)
For : SYSTEM AND METHOD)
FOR CONDITIONAL)
TRACING OF COMPUTER)
PROGRAMS)
Examiner : Unknown)

RECEIVED

JUL 02 2002

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir:

Enclosed is form PTO-1449 listing references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: June 24, 2002

By: Lee W. Henderson
Lee W. Henderson Ph.D., Reg. No. 41,830
Attorney of Record
620 Newport Center Drive, 16th Floor
Newport Beach, CA 92660
(949) 760-0404

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MUTEK.4C1CP1	APPLICATION NO. 10/057,002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Wygodny, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE January 24, 2002	GROUP 2621

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	4,503,495	03/05/85	Boudreau			
	4,511,960	04/16/85	Boudreau			
	4,598,364	07/01/86	Gum, et al.			
	4,782,461	11/01/88	Mick, et al.			
	5,121,489	06/09/92	Andrews			
	5,193,180	03/93	Hastings			
	5,265,254	11/23/93	Blasiak, et al.			
	5,297,274	03/22/94	Jackson			
	5,335,344	08/02/94	Hastings			
	5,347,649	09/13/94	Alderson			
	5,386,522	01/31/95	Evans			
	5,386,565	01/31/95	Tanaka, et al.			
	5,394,544	02/28/95	Motoyama, et al.			
	5,408,650	04/18/95	Arsenault			
	5,410,685	04/25/95	Banda, et al.			
	5,421,009	05/30/95	Platt			
	5,446,876	08/29/95	Levjne, et al.			
	5,450,586	09/12/95	Kuzara, et al.			
	5,465,258	11/07/95	Adams			
	5,481,740	01/02/96	Kodosky			
	5,526,485	06/11/96	Brodsky			
	5,533,192	07/02/96	Hawley, et al.			
	5,551,037	08/27/96	Fowler, et al.			
	5,581,697	12/03/96	Gramlich, et al.			
	5,590,354	12/31/96	Klapproth, et al.			
	5,612,898	03/18/97	Huckins			

EXAMINER

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MUTEK.4C1CP1	APPLICATION NO. 10/057,002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Wygodny, et al.	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE January 24, 2002	GROUP 2621

U.S. PATENT DOCUMENTS

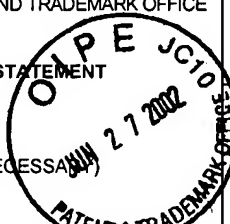
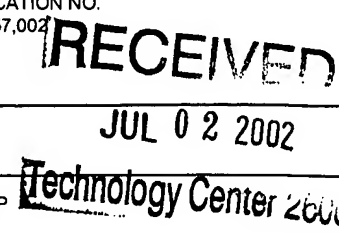
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,615,331	03/25/97	Toorians, et al.			
	5,632,032	05/20/97	Ault, et al.			
	5,642,478	06/24/97	Chen, et al.			
	5,657,438	08/12/97	Wygodny, et al.			
	5,740,355	04/14/98	Watanabe, et al.			
	5,771,385	06/23/98	Harper			
	5,903,718	05/11/99	Marik			
	5,928,369	07/27/99	Keyser, et al.			
	5,938,778	08/17/99	John, Jr., et al.			
	5,940,618	08/17/99	Blandy, et al.			
	5,983,366	11/09/99	King			
	6,282,701 B1	08/28/01	Wygodny, et al.			
	6,003,143	12/14/99	Kim, et al.			
	6,202,199 B1	03/13/01	Wygodny, et al.			

RECEIVED
JUL 02 2002
Technology Center 2600

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/05556	02/22/96	PCT				

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MUTEK.4C1CP1	APPLICATION NO. 10/057,002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Wygody, et al.	
		FILING DATE January 24, 2002	GROUP 2621

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
✓	Bates, Peter C., "Debugging Heterogeneous Distributed Systems Using Event-Based Models of Behavior," ACM Transactions on Computer Systems, Vol. 13, No. 1, February 1995, pp. 1-31.
✓	Bruegge, Bernd, et al., "A Framework for Dynamic Program Analyzers," OOPSLA, 1993, pp. 62-85.
✓	Geer, C.P., et al., "Instruction Stream Trace," IBM Technical Disclosure Bulletin, Vol. 26, No. 11, April 1984, pp. 6217-6220.
✓	Harward, L.D. Jr., "PL/1 Trace Program," IBM Technical Disclosure Bulletin, Vol. 13, No. 4, September 1970, pp. 855-857.
✓	Hunt, T.A., "General Trace Facility," IBM Technical Disclosure Bulletin, Vol. 15, No. 8, January 1973, 2446-2448.
✓	Larus, James R., "Efficient Program Tracing," IEEE, May 1993, pp. 52-61.
✓	Malony, Allen D., et al., "Traceview: A Trace Visualization Tool," IEEE, September 1991, pp. 19-28.
✓	Martonosi, Margaret, et al., "Effectiveness of Trace Sampling for Performance Debugging Tools," ACM SIGMETRICS, 1993, 248-259.
✓	Meier, Michael S., et al., "Experiences with Building Distributed Debuggers," SPDT, 1996, 70-79.
✓	Mukherjee, Sougata, et al., "Applying Algorithm Animation Techniques for Program Tracing, Debugging, and Understanding," IEEE, 1993, pp. 456-465.
✓	Netzer, Robert H.B., "Optimal Tracing and Replay for Debugging Shared-Memory Parallel Programs," ACM/ONR Workshop on Parallel and Distributed Debugging, May 17-18 1993, San Diego, California, pp. 1-12.
✓	Netzer, Robert H.B., et al., "Optimal Tracing and Replay for Debugging Message-Passing Parallel Programs," IEEE, 1992, PP. 502-511.
✓	Netzer, H.B., et al., "Optimal Tracing and Incremental Reexecution for Debugging Long-Running Programs," ACM SIGPLAN 1994 Conference on Programming Language Design and Implementation, June 20-24, Orlando, Florida, pp. 313-325.
✓	Plattner, Bernhard, et al., "Monitoring Program Execution: A Survey," IEEE, November 1981, pp. 76-93.
✓	Reiss, Steven P., "Trace-Based Debugging," Automated and Algorithmic Debugging Workshop, May 3-5, 1993.
	Rosenberg, Jonathan, B., How Debuggers Work: Algorithms, Data Structures, and Architecture., John Wiley & Sons, Inc., 1996.
✓	Schieber, Colleen, et al., "RATCHET: Real-time Address Trace Compression Hardware for Extended Traces," Performance Evaluation Review, Vol. 21, Nos. 3 and 4, April 1994, pp. 22-32.
✓	Spinellis, Diomidis, "Trace: A Tool for Logging Operating System Call Transactions," Operating Systems Review Publication, vol. 28, No. 4, October 1994, pp. 56-63.
✓	Soule, K., "Algorithm for Tracing Execution Paths to a Given Location in a Program," IBM Technical Disclosure Bulletin, Vol. 14, No. 4, September 1971, pp. 1016-1019.
✓	Timmerman, F. Gielen, et al., "High Level Tools for the Debugging of Real-Time Multiprocessor Systems," ACM/ONR Workshop on Parallel and Distributed Debugging, May 17-18, 1993, San Diego, California, pp. 151-158.
✓	Tsai, Jeffrey, J.P., et al., "A Noninvasive Architecture to Monitor Real-Time Distributed Systems," IEEE, March 1990, pp. 11-23.
✓	Winer, David, "WindView: A Tool for Understanding Real-time Embedded Software Through System Visualization," ACM SIGPLAN Notices, Vol. 30, No. 11, November 1995, pp. 117-123.

H:\DOCS\LWH\LWH-7502.DOC:jk
051702

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	